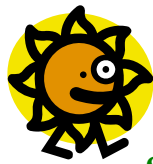
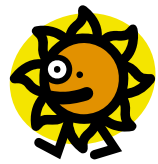


Welcome Students

May 27, 2005



Student News, Student Views



Student News

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Student News Student Views Contact Information:

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This is an electronic newsletter that will help keep you informed of student information. It is distributed monthly.

How Can I Find A New Internship?

Students, are you finding your internship is not what you expected? Are you looking for something more challenging? Is your current educational position losing funding? Then head on over to JumpStart <http://int.lanl.gov/education/jumpstart/index.shtml> ! Jumpstart was created a few years ago to assist mentors and students in finding a better "match". This web-based application allows students to be proactive in their educational opportunities search instead of just sending a resume and hoping for a good assignment!

Searching the open positions could not be any easier! Each posting belongs to a category such as Geology, Engineering, etc. A category will not show up on the search screen if there are no postings for that particular category. Keywords and dates, as well as, education level may be specified to further narrow down a search. Click on the "Express Interest" button once you find a posting that interest you.

Continues on page 2



High School Co-op Salary Increases

Salary increases for High School Co-op students will be effective on Monday, June 6, 2005. Current salaries of \$6.75/hr will automatically increase to \$7.62/hr. A student who has received his/her college acceptance letter can fax a copy (with Z number and group) to 4-6947 and their salary will increase to \$8.42/hr. Questions can be directed to Brenda Montoya, 7-4866 bmontoya@lanl.gov



Know students who are not receiving Student News, Student Views? Invite them to contact nataliet@lanl.gov to get on the list serv.

The Valles Caldera National Preserve is offering mountain bike fun rides on June 18 and 19. See the attached e-card and the text below for more details.

Pedal the Preserve Details: The Valles Caldera National Preserve is located in the Jemez Mountains at an altitude of 8,000-9,000 feet. Bike rides typically range from 10 to 30 miles on variable terrain on established routes, and participants agree not to deviate from the routes. Riders agree to leave no trace and to be respectful to animals and the environment. Rides cost \$20. Riders should be self-sufficient with food and water and prepared for wilderness riding and potentially changing weather conditions. Every rider must wear a helmet. Register for rides by calling 505-661-3333.



Route Details: The beginner/intermediate route will be offered both days. This route is approximately 12 miles, with detours to shorter loops available along the way for less experienced riders or families with children. Riders may begin their rides on this route any time between 8 a.m. and noon. Riders must finish by 4 p.m.

Advanced rides will be held on different routes on Saturday and Sunday, so riders can sign up for both days and enjoy completely different riding experiences! The Saturday ride is approximately 25 miles, while the Sunday ride is approximately 30 miles. Riders may begin their rides on these routes any time between 8 a.m. and 10 a.m. Riders must finish by 4 p.m.

All routes feature the beautiful scenery that is unique to the Valles Caldera National Preserve.

The Valles Caldera National Preserve is located approximately 18 miles from Los Alamos, NM, 20 miles from Jemez Springs, 53 miles from Santa Fe, and 75 miles from Albuquerque.

Continued from page 1

While searching for a position is obviously an important step, making a good application is even more important. The JumpStart website has links for applying online. These links will take you to the HR Student Application. It is very important to use the same email address that you registered with JumpStart on the application form. This is what allows a mentor to match up your interest in a position with your online application. Remember that this online application will likely be a mentor's first impression of you. Print a copy of the online application and spend some quality time in creating the responses. Pay particular attention to spelling and grammar. Once you have gathered all the necessary information, post it online!

There are several new positions available in biology, engineering, materials, computer science, physics, modeling, and administrative. Once you get to the site <http://int.lanl.gov/education/jumpstart/index.shtml>, two main links to pay attention to are the "Register" and "Search Opportunities" links. The first link is used for first time users and must be completed before the search function is used. Please note that when creating your UserID that you use a valid email address and that you use the same email address when applying for a position with HR. New positions are posted regularly so visit the site often. For questions about job postings please contact Carole Rutten at crutten@lanl.gov, or 5-5194.



The Students' Association

2005 Student Discount Cards

For the past four summers LANL and the Los Alamos Chamber have collaborated together to provide a student discount card. The card allows LANL students to receive discounts at recognized local Los Alamos businesses. You can use your cards at these local Businesses:

1. Adobe Pines Bed & Breakfast – Govt rate (\$71/nite) for families of LANL students
2. Andrews Gallery – 10% discount on anything not on consignment.
3. Animal Clinic of Los Alamos – 10% off all services excluding surgery
4. Bella Cosa – 5% discount for flowers
5. Bob's Bodacious BBQ – Free drink with purchase of plate or sandwich
6. Bologna Winery – 10% discount (Must be 21 years of age or over)
7. CB Fox – 10 % discount
8. Coffee Booth – Free cup of coffee
9. Cook'n in Style – 10% off of any one item (Not included: small appliances or cooking classes.)
10. Curves – Student Special - \$99+ tax, no start-up fee for the three months of summer (June/July/August)
11. Gordon's CDs and Tapes – 10% discount (662-7279) 743 Central Ave., Los Alamos
12. Hill Diner – 15% discount
13. Home Run – 10% off take out or dine in (delivery not included)
14. LA Fitness Center – 3 month \$125: Expires August 31, 2005
15. LA Signs & Sound – 10% off any guitar in stock!
16. Pampered Pet Kennels – Pet stays 5 nights gets 1 free
17. Quemazon Day Spa – 50% of first time facial. (
18. Quizno's – 10% discount
19. Radio Shack - One free four pack of alkaline batteries with any purchase and the official LACDC Community Welcome Card. Limit one per student. Check back often for future offers.
20. Starbucks – 10 cents off cost of any regular coffee
21. Transformations Pilates and Yoga – First visit free, then 15% off
22. Trinity Beverage Company – 10% food only
23. Uli's Cottontails – 15% discount
24. UPEX – 10% off everything except consignment items and ground shipping service as well as USPS services
25. Village Arts by Marilyn – 10% off everything not on consignment
26. YMCA – The Family YMCA welcomes visiting staff, professors, and summer students to Los Alamos and to The Family YMCA! Special summer rates:

- Under 25 years of age: standard Young Adult monthly membership fee (\$33/month); all YMCA membership benefits apply.
 - Summer students (GSA's) over 24 years of age: Young adult monthly membership fee (\$33/month); all YMCA membership benefits apply -- GSA identification required.
 - Visiting staff/professors: 3-month fee of \$147 to be paid in a lump sum upfront; additional months (through September 2005) may be purchased for \$45/month.*
- Offer valid May 1, 2005 through September 30, 2005.
*swimming not included



Geoffrey West
June 8th, 3:00 PM

Dr. West, at one point the leader of the particle physics group here at LANL, is now interim president of the Santa Fe Institute (SFI) where he studies universal scaling laws in biology.



Bette Korber
June 22nd, 3:00 PM

Having recently won the E. O. Lawrence award for her research on HIV sequences, Dr. Korber is not only one of LANL's most preeminent scientists, she is also a leading figure in the movement to design an HIV vaccine.

S A L E C T U R E S



Sun	Mon	Tue	Wed	Thu	Fri	Sat
		Wining Review Workshop: UCS Students @ Canyon Complex, Rm. 172 8:30-10:30	1 N.S.O. Rm. 160	2	3	4
5	6 New Student Orientation Rm. 160	7 New Student Orientation Rm. 160	8 3:00 SA Lecture Series w/ Geoffrey West Rm. 160	9	10	11
12 Wining Review Workshop: UCS Students @ Canyon Complex, Rm. 172 8:30-10:30	13 New Student Orientation Rm. 160	14 8:30-10:30 Student Breakfast @ RL Rm. 160	15 3:00 SA Lecture Series w/ Bette Korber @ Otowi Rm. 164	16 All Student Meeting with SPAC	17 CCN Tour	18
19	20 New Student Orientation Rm. 160	21 New Student Orientation Rm. 160	22 N.S.O. Rm. 164	23 3:00 SA Lecture Series w/ Bette Korber @ Otowi	24	25
26	27 3:00-All students Mtg. w/ Director @ Physics Auditorium	28	29	30 8:30-10:00 Student Breakfast @ T-Div.		

June 14th 8:30-10:30 Student Breakfast @ RL

June 16th All Student Meeting with SPAC

June 17th CCN Tour

June 22nd 3:00 SA Lecture Series w/ Bette Korber @ Otowi Auditorium

June 27th 3:00- All students Mtg. w/ Director @ Physics Auditorium

June 30th 8:30-10:00 Student Breakfast @ T-Div.

Do you have a question for EPO?

Got a question about programs, benefits, travel, your computer, etc. Student New, Student Views can help. SN,SV is a resource for YOU, students regarding any student issue at LANL. If you have a question about a student issue there is a good chance that other students have the same question. Send your questions to nataliet@lanl.gov

Community Corner

6/4/2005 - 6/5/2005: Overnight Birding Event at the Valles Caldera

6/4/2005: Geology Van Tour at the Valles Caldera

6/4/2005: Night Sky Adventure at the Valles Caldera

6/5/2005: History Van Tour at the Valles Caldera

6/5/2005: Hiking the Cerros del Abrigo Trail at the Valles Caldera

Library Tours

New to the Lab? Want to find out the most efficient way to get the information, articles, etc. you need fast? Take the Research Library Tour offered every Wed at 1-1:30 pm (meet inside the lobby on the main floor of the Oppenheimer Study Center). Library staff can assist you getting familiar with the best resources to make research a snap. No sign-up required!

No time for the tour? Take a virtual tour at library.lanl.gov



The Longest Yard	5/27/2005	PG13	Comedy
The Sisterhood of the Traveling Pants	6/1/2005	PG	Comedy Drama
Lords of Dogtown	6/3/2005	PG13	Drama
Cinderella Man	6/3/2005	PG13	Drama
Mr. and Mrs. Smith	6/10/2005	PG13	Action/Adventure
Batman Begins	6/17/2005	PG13	Action/Adventure
Herbie: Fully Loaded	6/22/2005	G	Comedy
Bewitched	6/24/2005	NR	Comedy

Disclaimer:

Items in SN, SV are compiled from public information from various sources within and around Los Alamos. Activities and information listed in SN, SV imply safe, fun excitement for LANL students.

Students, Cell Phones, and Cameras

Cellular Phones:

Unauthorized use or misuse of a cellular phone shall result in a security infraction. Non-government cellular phones are NOT permitted inside or within 50 feet of the perimeter of a Security Area, with the following exceptions:

in vehicles with permanently installed, non-government cellular phones that are turned off; on Laboratory roads, parking lots, or other land that is routinely open to public access; and in work areas located in non-security areas within 50 feet of a security-area perimeter unless the SRLM applies and receives approval for an exception to the 50-foot rule for work areas in this category.

Cameras:

Cameras are not allowed in LANL security areas except Property Protection Areas.



Here are a few simple things that you can do to keep yourself and co-workers at LANL safe:

- Protect your badge and high occupancy vehicle or private vehicle pass card when not using them—do not leave them hanging from the rearview mirror of your car when away from LANL. They get stolen and can identify you as a possible target.
- Wear your badge when on Lab property, even in un-cleared areas.
- Do not wear your badge off Lab property.
- Use password-protected screen savers on your computer when you are not working on it.
- Lock your door when you leave your office.
- Shred sensitive and personal information.
- Always lock your vehicle.
- Be aware of what you are doing and who is around you.
- If you feel uneasy about something—a stranger who is wandering around unescorted, a coworker who is acting out of character, an unattended and unidentified bag—report it.
- Question strangers in your building.

Questions about OPSEC issues can be addressed to the CCN Division Security Office or the LANL OPSEC Program Office, at 7-0002 or 5-4843. See the OPSEC web site for more information: <http://int.lanl.gov/security/isec/opsec.shtml>

Just a Little Reminder to be Safe

Finds this at: <http://dominoapp.lanl.gov/lln/lldocs.nsf/main>



Student sustains laser eye injury

On July 14, 2004, an undergraduate student employed by another government agency was injured while performing work with a Class IV neodymium (Nd):YAG laser at Los Alamos National Laboratory. The student came to the Laboratory to work with a LANL scientist investigating the potential use of lasers in studying the composition of comets.

The scientist and student had set up a laser experiment designed to suspend and then analyze particles inside a vacuum target chamber using an unusual configuration that was neither described nor analyzed in work control documents. The experiment used a Particle Generating (PG) laser to suspend the particles and the (Nd):YAG Laser Induced Breakdown Spectroscopy (LIBS) laser to vaporize the suspended particles. The PG laser was aligned vertically to allow the beam to enter through the top of the target chamber; the LIBS laser was aligned horizontally to allow the beam to enter through a side window. The scientist energized both laser power supplies and was operating the LIBS laser with the Q switch trigger cable disconnected (a mode the scientist believed did not allow the LIBS laser to produce a laser beam). With the Q switch disabled and the LIBS laser's flashlamps operating, the scientist believed that only white light exited the laser's optical tube and traveled down the laser beam path. The scientist wanted to demonstrate that the PG laser could suspend particles from the sample and intended to use the light from the LIBS laser to illuminate the suspended particles and make them visible inside the target chamber.

The scientist fired and secured the PG laser and then observed the suspended particles illuminated by the LIBS laser inside the target chamber. He told the student he could see suspended particles and invited the student to take a look. As the student bent down to look into the chamber, she saw a flash and subsequently noted a reddish brown substance floating in her left eye. Neither the scientist nor the student were wearing laser eye protection. The student was taken to LANL's occupational health facility (HSR-2) and was referred to several eye specialists. Laser eye damage was confirmed. The student continues to experience loss of central vision in her left eye.

Laser operations were suspended and the LANL Director assembled a team to investigate the accident, determine the causal factors, and make recommendations.



Experimental setup showing the target chamber and the LIBS laser



Re-creation of target viewing position

Initial Analysis

The investigation is nearing completion and formal findings will be made available in a few weeks after corrective actions are developed and incorporated. Lines of inquiry have included the use of personal protective equipment, the mentoring and supervision of students, management oversight and control of work/workers, and the reporting and notification process for abnormal

FOR DETAILS:

- Occurrence Report: ALO-LA-LANL-CHEMLASER-2004-0001
- PS-7 Occurrence Investigators: Matt Hardy, 667-6335
Rita Henins, 665-6981

An additional alert about this event will follow if the investigation reveals details that indicate an unknown hazard exists for other employees involved in this type of activity. For more information about "1st Take," please call LANL PS-7 at 665-0033.

August 18, 2004
LANL CHEMLASER 2004-0010

events. Laboratory measurements were made to characterize the conditions and configuration believed to have existed when the accident occurred. Measurements indicated that the student could not have received a laser eye injury under these conditions because the LIBS laser did not emit a beam in this configuration. Consequently, the team is evaluating if other configurations could have resulted in the accident.

Initial Recommendations

Management Level: Managers should:

- Ensure that required safety practices are implemented in the workplace;
- Ensure training requirements are completed before authorizing work;
- Ensure that personal protective equipment is used;
- Ensure laser personnel complete a baseline eye examination;
- Ensure changes to work and associated changes in work configuration are authorized, and that these changes are addressed in work control documents; and
- Provide LANL employees with this "1st Take," either through Nested Safety meetings or required reading programs.

Worker Level: Workers should:

- Know the hazards of their experiment;
- Wear specified laser eye protection as required;
- Challenge unsafe or questionable behavior, and if you're not sure, ask;
- Use interlocks as designed; and
- Prevent eye exposure to direct or scattered radiation from a Class IV laser.

More information will be provided to employees in the "Final Take" alert message from Performance Surety.

GUIDANCE: Resources at hand

For more information related to laser safety you can refer to:

- Lasers LIR 402-400-01.3
- Laser Safety: Class 3b or 4 Self Study Course No. 17817
- American National Standards Institute Z136.1 (Safe Use of Lasers)
- Lessons Learned: Operational Experience Summaries, 2nd Quarter - 2004 (<http://www.eh.doe.gov/paa>)
- Occurrence Report: ALO-LA-LANL-CHEMLASER-2004-001
- Occurrence Report: OAK-LBL-MSD-2003-0001
- Occurrence Report: ALO-LA-LANL-FIRNGHELAB-1999-0002
- Occurrence Report: ALO-LA-LANL-FIRNGHELAB-1998-0002